

Distr: 4E2c

Chromium plating of aluminum and its alloys. Tadgus, Zak, Jerzy Brlich, and Konrad Schmidt. *Trans. Am. Electrochem. Soc.* 5, 7-11 (1958).—Al and Al alloys may be plated in the usual baths after a previous application of a protective Zn or brass layer, which prevents the oxidn. of the cleaned surface. A bath with the compn. Zn 80, NaOH 450, CuCN 7.5 g./l. is suitable. The protective layer is dissolved away in the Cr bath before Cr plating. The end of the soln. process is detd. polarographically. The contaminations (Cu and Zn) introduced into the Cr bath by the dissoln. of the layer are of the order of 4 mg./sq. dm. of the surface to be Cr plated, and they do not interfere. From C.E. 1958. Edgar Hammond

CK

11354

COUNTRY : POLAND
 CATEGORY : Chemical Technology. Chemical Products and Their Applications. Electrochemical Industries. Electro-
 ABS. JOUR. : RZhKhim., No 19 1959, No. 68479
 AUTHOR : Smidt, E.
 INSTITUTE :
 TITLE : Investigation of the Lustrous Copper Plating Method. Part I.
 ORIG. PUB. : Izv. Akad. Nauk SSSR, 1958, 6, No 23, 58-63

ABSTRACT : Presented is a brief review of lustrous copper plating methods. Electrolyte, having the following composition (in gr/2) is recommended: Cu - 70, KCN-free - 12, KOH - 15, Na₂CO₃ - 22, KCNS - 4, sodium salt of 2 - isopropyl-naphthalenesulfonic acid - 0.1; temperature of the electrolyte of 70 - 75°, $D_k = 4 - 5 \text{ a/dm}^2$, pH of 10 - 10.5; the anode surface must be 1.5 times larger than that of the cathode. For the obtainment of good quality lustrous plating, objects being plated are

plating. Galvanic Cells.

Card: 1/2

COUNTRY :

II

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001754520010-6"

ABS. JOUR. : RZhKhim., No 19, 1959, No. 68479

AUTHOR :
 INSTITUTE :
 TITLE :

ORIG. PUB. :

ABSTRACT : moved slowly in a bath from side to side. The
 Con'd electrolyte has a long life (50 amp-hrs/L) and can be easily regenerated. Effect of various factors on the quality of plating was investigated. The bibliography covers 23 titles. -- V. Levison

Card: 2/2

KNIAKOWSKI, Ebniglew; SEMENT, Konrad

Studies on bright nickel electroplating with a high leveling effect. Inst masn pracz 12 no.46:34-48 '64.

SZMIDT, W.

How the District Committee of Poultry and Egg Producers in Nowy Targ works, p. 5.
(PRZEGLAD JAJCZARSKO DROBIARSKI, Warszawa, Vol. 1, no. 8, Aug. 1953.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, Jan. 1955,
Uncl.

POLAND/Chemical Technology. Chemical Products and H
Their Uses. Part III. Food Industry.

Abs Jour : Ref Zhur-Khiniya, No 15, 1958, 51824

Author : Szmidt, Wojciech
Inst : -
Title : Novel Methods of Flour Packaging and
Shipment.

Orig Pub : Przegl. piekarn. cukiern., 1957, 5, No 11,
9-13

Abstract : Flour shipping in aluminum containers which
may be loaded and unloaded mechanically as
well as in trucks and railroad tank cars,
was described. -- Z. Fabinskiy

Card : 1/1

Abs Jour: Ref Zhur-Biol., No 13, 1958, 58371

Author : Szmidt, W.

Inst : Not given

Title : European Cedar as a Forgotten Wood Species

Orig Pub: Las polski, 1957, 31, No 17, 4-6

Abstract: The outstanding commercial and economic value of
Pinus cembra L is stressed. Its basic bio-ecologi-
cal uses are described. Recommendations on techni-
ques for growing this tree and for its cultivation
in Poland are given.

Card 1/1

1/2

COUNTRY : POLAND II
CATEGORY : Chemical Technology. Chemical Products and
Their Applications. Food Industry
ABS. JOUR. : AZKhim., No. 23 1959, No: 83848
AUTHOR : Szmidt, W.
INST. : -
TITLE : Particle Size of Flour and Its Effect on the
Quality of Dough
ORIG. PUB. : Przegl. zboz.-mlynarski, 1959, 3, No 1, 29
ABSTRACT : Proved is the necessity of applying different
methods of dough preparation depending on the
particle size of flour.--Z. Fabinskiy

CARD: 1/1

KALINSKI, Boleslaw, SZMIDT, Wladyslaw

Building industry at the Leipzig Spring Fair in 1961.
Przegl budowl i bud mieszk 23 no.8:495-498 Ag'61.

SZMIDTGAL, Eugeniusz; KOBYLINSKA, Bogumila

Studies on the washing properties of soaps made from synthetic fatty acids. Przem chem 43 no. 2: 101-104 7 '64.

1. Zaklad Srodkow Powierzchniowo-Czynnych, Instytut Chemii Ogolnej, Warszawa.

CA

Production of soap. R. Szankitgal. *Przemysl Chem.*
6(20), 220-224(1974).—The methods used to produce various
types of soap are described. Frank Conet

37777777, 37777777

37777777, 37777777

Technika prania i mycia. Warszawa, Państwowe Wydawn. Techniczne, 1952
113 p. [Technique of Washing Linen. Illus.]

30: Monthly List of East European Accessions, Library of Congress, Vol. 2, No 10,
October 1953. Unclassified.

Szmidtgal, E.

4183

685(075.3)

* Proffe J., Stepniewski L., Szmidtgal E., Zyss B. The Technology of Fats. Part 1.

„Technologia tłuszczów”. Cz. 1. Warszawa, 1954, Wyd. Przem. Lek. i Spoż., 160, 279 pp., 102 figs., 19 tabs.

Deals with the chemistry of fats. The first part contains sections relating to: general information; production of animal and fish fats, and waxes; treatment of oleaginous seed; purification and refining of fats, and hardening of fats.

SZYTDTGAL, E.

Different washing agents of a hydrocarbon basis. p. 157. (PRZEMISL CHEMICZNY, Vol. 10, No. 3, Mr. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

SZMIDTGAL, E.

"Colloidal Aggregation of Surface Active Substances and Its Influence on Washing Effect." P. 234. (PRZEMISL CHEMICZNY, Vol. 10, No. 5, May, 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

SZMIDTGAL, EUGENUSZ

Srodki piorace

Warszawa, Poland, Wydawn.Przemyslu Lekkiego i Spozywczego, 1955. 399 p.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, September 1959.
Uncl.

CH SZ.MIDTOWA, L.

16

Continuous fermentation. Lidia Szmidtowa. *Przemysł /
Rolny i Spozymczy* 4, 15-18 (1950) (in Polish). —A review.
W. Szymbalski

SZMIDTOWNA, B.

③

The influence of ammoniated peat on yields of cabbage.
 P. Majewski, A. Maksimow, and B. Szmidtówna. *Rozniki Nauk Rolniczych* 66, Ser. A, No. 1, 51-63 (1952). The influence of high raw peat with a degree of decompn. of approx. 15% was neg. on crop yields of cabbage (var. Amager). Low peats with degrees of decompn. of 50% (slightly decompd.) and 90% (highly decompd.) had no observable influence. Transitional peat with a degree of decompn. of 70% had a pos. influence. The action of ammoniated peat on the yields of cabbage depended on the kind of peat used. N absorbed from high and transitional peats acted almost as well as the N derived from $(NH_4)_2SO_4$. The action of N absorbed from both low peats was greater than that from $(NH_4)_2SO_4$. A definite correlation was found between crop yield and the amount of N absorbed. The N of raw peat, with the exception of the transitional peat, was found to be useless for the plants. Raw peat reacted unfavorably upon the absorption of N from $(NH_4)_2SO_4$. The utilization of N absorbed in high and transitional ammoniated peat was approx. the same as that of $(NH_4)_2SO_4$ in the presence of peat. The utilization was less than in the case of $(NH_4)_2SO_4$ alone. The N absorbed in ammoniated low peats was more readily utilized than that in $(NH_4)_2SO_4$ alone. All expts. were carried out in test pots on a sandy podzol deficient in N. The three combinations of peat used were raw peat, raw peat with 1.1 g. of N (per pot) in the form of $(NH_4)_2SO_4$, and ammoniated peat in such quantities that the amt. of absorbed N was equal to 1.1 g. of N per pot. E. G. J.

Chemical Abst.
 Vol. 48 No. 9
 May 10, 1954
 Soils and Fertilizer.

L 23103-65 EWT(m)/EWP(b)/EWP(t) DIAAP/IJP(c) JD
 ACCESSION NR: AP5003195

G/0030/65/008/001/0105/0114

AUTHOR: Bubakova, R.; Szmíd, Z.

TITLE: Proton bombardment damage in silicon 7

SOURCE: Physica status solidi, v. 8, no. 1, 1965, 105-114

TOPIC TAGS: proton bombarded silicon, silicon lattice parameter, silicon crystal structure, proton bombarded silicon structure, proton bombarded silicon lattice

ABSTRACT: The aim of this investigation was to determine the effect of proton irradiation on the lattice parameters and crystal structure of Si. A monocrystal silicon plate about 10 mm thick was grown by spin-pulling in the [111] direction by the Chokhralskiy method. The plate was ground and polished parallel to the [111] plane to an accuracy of $\pm 0.5^\circ$. The back surface of the sample was water-cooled. The face of the plate was half covered by a copper plate; the other half was exposed to a beam of 6.5-Mev protons. The dose was about 1 to 2×10^{18} protons/cm². The x-ray photographs of the bombarded face show an increase of the lattice parameter ($\Delta a = + 3 \times 10^{-5}$ Å) and a

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ACCESSION NR: AP5003195

tilt (1.7") and band of the atomic planes with an effect somewhat similar to a dislocation edge. The angles between the normals of the atomic planes were determined from the intensity of the diffracted x-rays as a function of the angle around the vertical axis. A measurable deformation of the lattice planes and change of their distances was observed. The angle of the normals in the bombarded and unbombarded part was greatest in the plane perpendicular to the boundary between them, and smallest in the plane parallel to the boundary. The lattice parameter increased as a result of irradiation. Some defects were produced in the diamond-type structure as indicated by a diffraction from the (222) planes, which is absent in a perfect silicon structure. Orig. art. has: 7 figures and 2 tables. [FP]

ASSOCIATION: Institute of Solid State Physics, Czechoslovak Academy of Sciences, Prague; Institute of Nuclear Research, Warsaw.

SUBMITTED: 09Sep64 ENCL: 00 SUB CODE: SS, NP

NO REF SOV: 000 OTHER: 005 ATD PRESS: 3173

Card 2/2

SZMITLEW, B.

"Our tasks in 1953." p. 1. (Przegląd Geodezyjny. Vol. 9, no. 1, Jan. 1953.
Warszawa.)

SO: Monthly Lists of East European Accessions, Vol. 3, No. 2, Library of Congress.
Feb. 1954, Uncl.

SZMIELEW, B.

"Summing up the discussion." p. 42

"A report on the conference," p. 42

(Przegląd Geodezyjny, Vol 9, No 2, Feb 1953, Warszawa)

SO: Monthly List of East European Accessions, Vol ² ~~1~~, No ⁹ ~~1~~, Library of Congress ^{Sept 53} ~~XXXX~~ Uncl

SEITZ, B.

"Organizational Problems of Geodetic Production." p. 33 (Przegląd Geodezyjny.
Vol. 10, no. 2, Feb. 1954, Warszawa.)

Vol. 3, no. 6

SO: Monthly List of East European Accessions./Library of Congress, June 1954, Uncl.

SZMIELEW, B.

"Reduction of Production Costs is the Paramount Task of Government Geodetic Enterprises." P. 97, (PRZEGLAD GEODEZYJNY, Vol. 10, No. 4, Apr. 1954. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

CHANDLER, L.

"Tasks of the State Scientific and Cartographic Service in Realizing Great Economic Plans in the Light of Resolutions of the 2d Congress of the Polish United Workers Party," p. 181, (PRACOWNIA GEODEZYJNA, Vol. 10, NO. 6 June 1958, Warszawa, Poland)

SO: Monthly List of East European Accessions, (SEAL), 13, Vol. 3, No. 12, Dec, 1958, Uncl.

BRITAIN, B.

"The Conference of Active Polish Surveyors and the Conference of Delegates of the Polish Association of Land Surveyors," p. 10, (PRACOWNIA GEODEZYJNA, Vol. 10, No. 1, June 1954, Warsaw, Poland.)

30: Monthly List of East European Accessions, (EASL), 10, Vol. 3, No. 12, Dec. 1954, Uncl.

SUMMARY, .

"Theses, conclusions, and wishes of Working Committee of 5th 24th Conference of Delegates of the Polish Association of Land Surveyors," p. 175, (PASE WILK 120 191111, Vol. 10, No. 6, June 1954, Warszawa, Poland)

SO: World: List of New European Accessions, (EML), 10, Vol. 3, No. 12, Dec. 1954, Incl.

SZMIELEW, Borys

The principal tasks of the Polish geodesy are: improvement of the quality of the techniques and better labor organization. Przegl geod 32 no.7:229-233 J1 '60.

1. Prezes Glownego Urzedu Geodezji i Kartografii, Warszawa

S/035/62/000/001/019/038
A001/A101

AUTHOR: Szmielew, B.

TITLE: Tasks in the region of geodesy and cartography for 1961-1965

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 1, 1962, 1,
abstract 1G2 ("Przegl. geod.", 1961, v. 33, no. 7, 245-249, Polish)

TEXT: Information is given that in Poland in 1955-1960 the compilation of a map on the 1:25,000 scale was completed for the entire territory of Poland and the work was developed in compiling photoplans and maps on the 1:5,000 scale. This work will continue in 1961-1965, and a particular attention will be paid to speeding-up the processes of compiling and publishing the maps. The publishing of various maps, in the first place reference maps, maps of towns and railroads, and school maps, will be extended. The author considers the problems connected with organization of geodetic work, improving the qualifications of specialists, their training and organization of labor, introduction into practice of geodetic and cartographic works of the most modern technique and methods. ✓

[Abstracter's note: Complete translation]

D. K.

Card 1/1

SZMIELEW, Borys, mgr.,inz.

Problems connected with the quality of geodetic and cartographic activities. Przegl geod 34 no.2:45-46 '62.

1. Prezes Glownego Urzedu Geodezji i Kartografii.

8/035/62/000/012/038/064
A001/A101

AUTHOR: Szmielew, Borys

TITLE: Technical progress in the state geodetic service

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 12, 1962, 5,
abstract 12G27 ("Przegl. geod.", 1962, v. 34, no. 7, 288 - 292,
Polish)

TEXT: This is the report of the chairman of the Poland Main Administration of Geodesy and Cartography at the 16th Congress of the Society of Polish Geodesists, read on April 8, 1962. All geodetic works carried out on the territory of the country must be coordinated. In implementing this, geodetic bureaus of regional and municipal people's councils play important role, since they possess archives of cartographic-geodetic materials. Organizations of geodetic service must utilize to the highest degree the results of already completed surveys, which will reduce new field geodetic works. Introduction of aerial photosurvey is the basis of technical progress in geodesy practice. Mechanization of land registration is extended by employing computers. Conversion to the reflex method of matrix manufacture and introduction of diffusion method of preparing copies of geodetic materials are steps forward. Methods of speeded per-
Card 1/2

Technical progress in the state geodetic service

S/035/62/000/012/038/064
A001/A101

formance of data processing should be elaborated. Activities of the Research Institute of Geodesy and Cartography in Warsaw are of great importance for improving geodetic practice. At the present time, the Institute solves the problems important for both the state service and departmental geodetic services. The Bureau of technical and economic information of the Institute serves to all geodetic enterprises, independent of their departmental associations. Technical progress in geodetic practice calls for a permanent improvement of personnel. In this respect cooperation of the Main Administration of Geodesy and Cartography with the Society of Polish Geodesists is fruitful, as the latter already organized a scientific-technical conference on the problems of technical progress in geodesy and cartography.

N. Modrinskiy

[Abstracter's note: Complete translation]

Card 2/2

SZMIELEW, Borys, mgr inż.

Trends and possibilities of technical progress in geodesy.
Przegl geod 35 no.7:275-279 J1 '63.

1. Prezes Głównego Urzędu Geodezji i Kartografii, Warszawa.

POLAND

SZMIELEW, Borys, mgr inż.

Chairman of the Main Administration of Geodesy and Cartography
(Prezes Głównego Urzędu Geodezji i Kartografii)

Warsaw, Przegląd geodezyjny, No 7, July 1966, pages 250-253

"On further technical and economic progress in the modernization
of geodetic production."

SEMIFLEX, WANDA

3/1/86 [signature]

SZMIELEW, Wanda

*Borsuk, Karol, i Szmielew, Wanda. Podstawy geometrii. [The foundations of geometry.] Państwowe Wydawnictwo Naukowe, Warszawa, 1955. 363 pp. zl. 25.00.

1 - F/W

This book deviates from other works with the same title both in content and in the extent to which details often omitted in other books are carried out.

MS

It begins with an introduction on the history of the subject and on the very elements of point-set topology. The first four chapters are concerned with absolute geometry, in particular chapter I (pp. 23-74) with the axioms of incidence and order. As an example of a topic usually omitted we mention the topology of the plane obtained by defining the interiors of triangles as neighborhoods. A theorem like the following is at this stage not quite trivial: If a_1, a_2, a_3, a_4 are the vertices of a convex quadrangle and p is the intersection of its diagonals, then a_1 has a neighborhood U_1 such that for $a'_1 \in U_1$ the quadrangle $a'_1 a'_2 a'_3 a'_4$ is convex and has its intersection of the diagonals in a preassigned neighborhood of p . Chapter II (pp. 74-112) treats the axioms of congruence. In Chapter III (pp. 113-158) we find the

(over)

①

Harold Borsuk

continuity axioms, Legendre's theorems on the angle sums of triangles, and a proof that the space is now metric and homeomorphic to E^2 or E^3 . Chapter IV (pp. 159-200) discusses models of absolute geometry and its non-categoricalness. Chapter V (pp. 201-213) outlines Euclidean geometry, whereas Chapter VI (pp. 214-273) treats hyperbolic geometry in great detail including the derivation of many of the more complicated formulae. Chapter VII (pp. 274-314) gives the foundations of plane and spatial projective geometry without continuity. The final Chapter VIII (pp. 315-346) deals with the continuity axioms of projective geometry and ends with a curiously detailed analysis of Hilbert's example for a non-Desarguesian geometry. A detailed index follows.

An English edition of this book might well be an answer to the problem of how to acquaint young students with exact reasoning, presenting at the same time a coherent course.

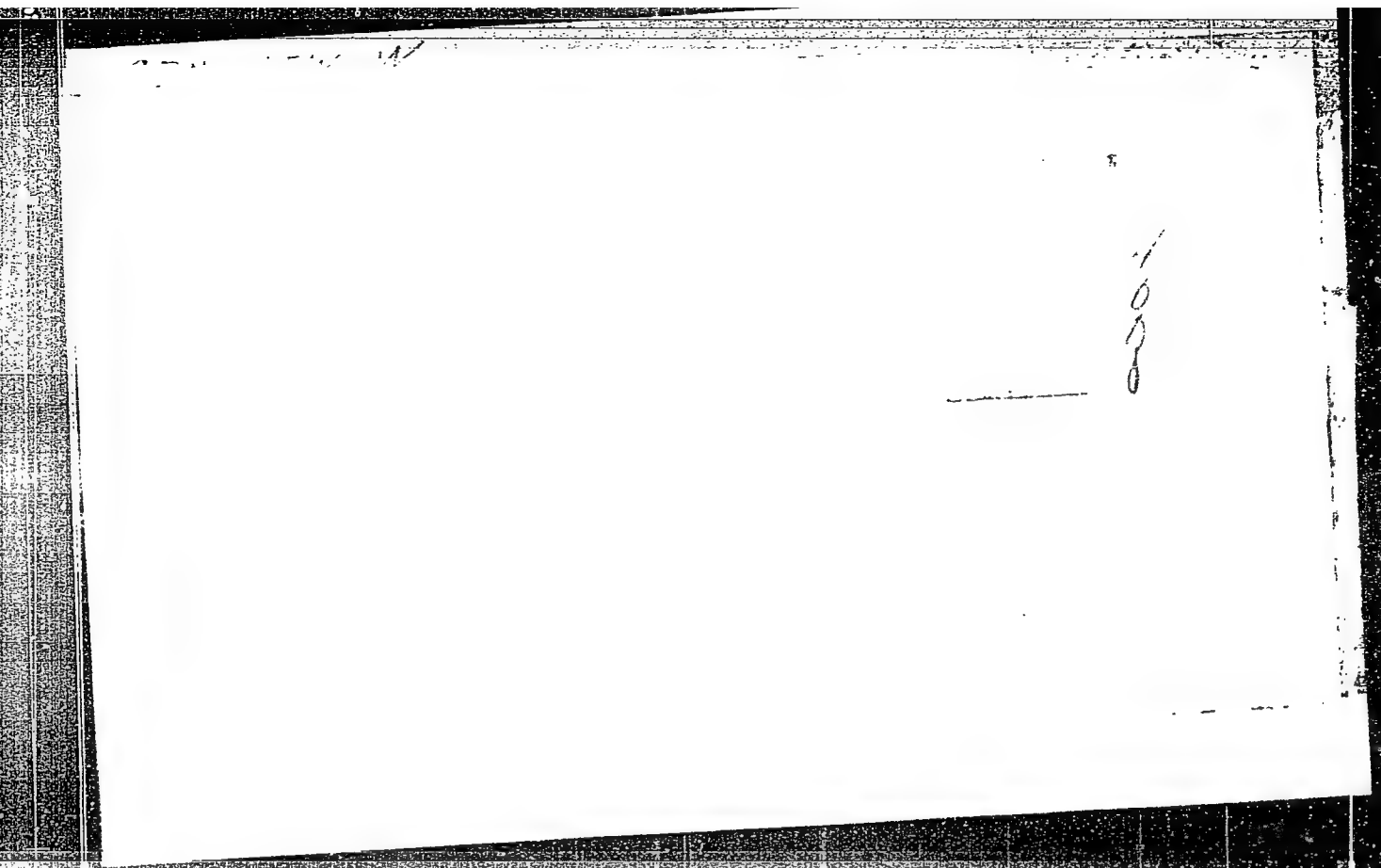
H. Busemann (Los Angeles, Calif.).

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SMW RAK

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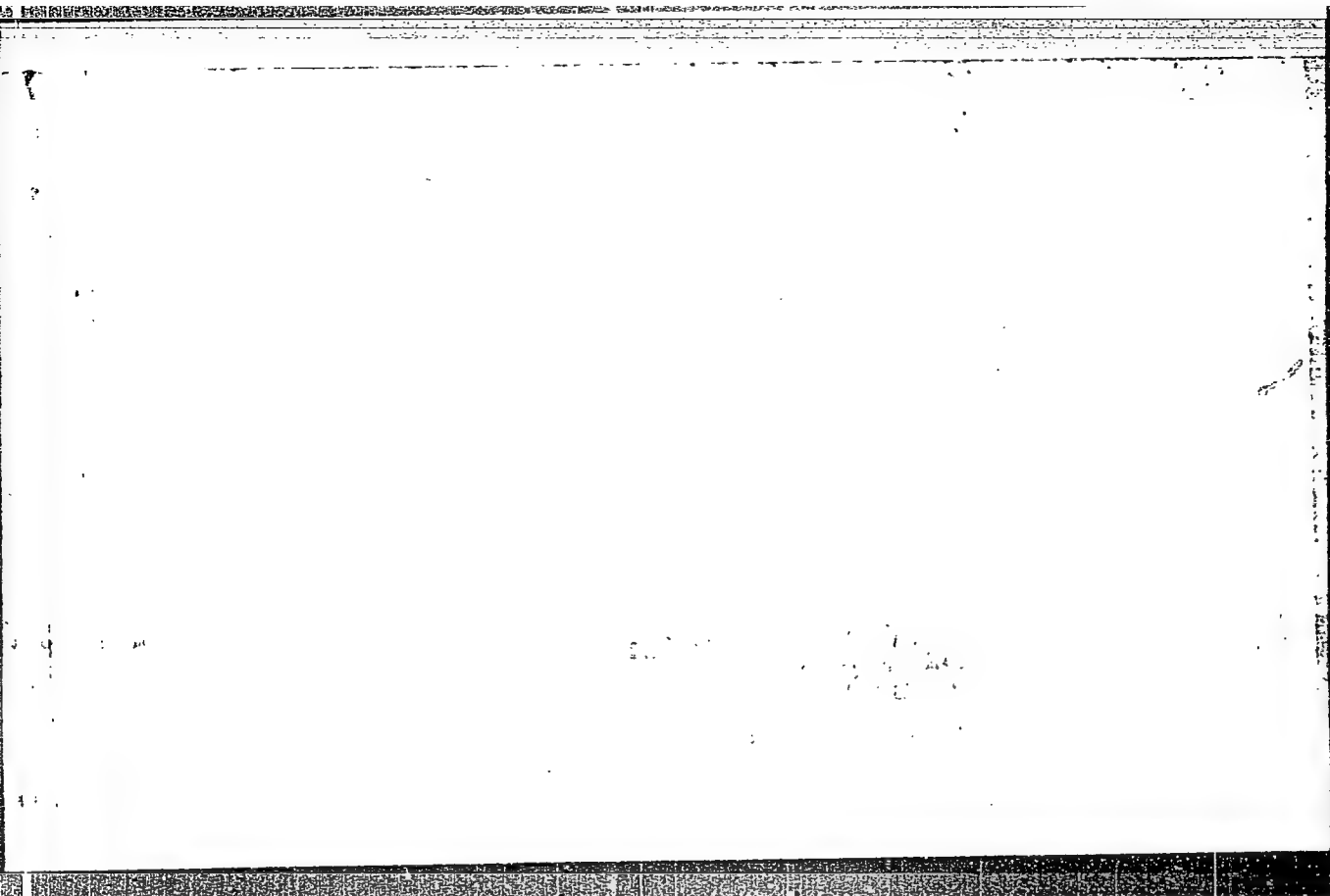


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[illegible]

10/2/21

SZMIELEW, W. (Warszawa)

A new analytic approach to hyperbolic geometry. Fund mat 50 no.2:
129-158 '61.

(Geometry, Analytic)

DOLEZAL, M.; STARZYK, J.; SZMIGIEL, Z. (Krakow)

Peripheral blood picture in experimental toxoplasmosis in guinea pigs. Wiadomosci parazyt., Warsz. 2 no.5 Suppl:55-56.1956..

1. Zaklad Mikrobiologii Lekarskiej AM i III Klinika Chorob Wewnetrznych AM.

(TOXOPLASMOSIS, experimental,
leukocyte count in (Pol))

(LEUKOCYTE COUNT, in various diseases,
exper. toxoplasmosis (Pol))

EXCERPTA MEDICA Sec 16 Vol 7/7 Cancer July 59

2668. **The migratory capability of normal and leukaemic leucocytes** Badania zdolności migracyjnej leukocytów prawidłowych i białaczkowych. SZMIGIEL Z. and SIERKO I. J. III. Klin. Chor. Wewn., Grottgera 14/2, Kraków *Haematologica (Kraków)* 1957, 1/2 (96-97)

Ten healthy persons and 10 patients with chronic granulocytic leukaemia were examined, using a modified Martin method. The migration during 12 hr. amounted on the average to 3.22 mm. for normal leucocytes and 1.92 mm. for leukaemic leucocytes.

SZMIGIEL, Zbigniew;DOLEZAL, Marian;KACZOROWSKA, Anna

Phagocytic index of leukemic inflammatory and normal granulocytes.
Polski tygod. lek. 12 no.12:434-437 18 Mar 57.

1. (Z III Kliniki Chorob Wewnętrznych A. M. w Krakowie; kierownik:
prof. Dr. J. Aleksandrowicz, z Zakładu Mikrobiologii Lekarskiej A. M.
w Krakowie; kierownik: prof. dr. Zdz. Przybylkiewicz oraz z Państwowego
Instytutu Matematycznego P. A. N. we Wrocławiu; Kierownik; prof.
Dr. H. Steinhaus) Adres: Krakow, ul. Kopernika 17 III Klin. Chor. Wewn.
A. M.

(LEUKEMIA, blood in
phagocytic index of granulocytes (Pol))
(PHAGOCYTOSIS
phagocytic index of leukemic granulocytes (Pol))

ZBIGNIEW OSTERCZY; ZBIGNIEW SZMIGIEL

Ionizing radiations and leukemia with report of a personal case. Polski tygod. lek. 13 no. 44:1724-1727 3 Nov 58.

1. (Z III Kliniki Chorob Wewnętrznych A. M. w Krakowie; kierownik: prof. dr. J. Aleksandrowicz) Adres: Krakow, ul. Basztowa 4/3.

(RADIOTHERAPY, compl.

leukemia (Pol))

(LEUKEMIA, etiol. & pathogen.

radiother. (Pol))

HUCZEK-GLEBOCKI, Jerzy; OSTERCZY, Zbigniew; SZMIGIEL, Zbigniew; CICHOCKI,
Tadeusz

Acute erythroblastosis with degeneration into myeloblastic leukemia.
Pol. med. wewnet. 32 no.7:701-705 '62.

1. Z III Kliniki Chorob Wewnętrznych AM w Krakowie Kierownik: prof.
dr J. Aleksandrowicz.

(BONE MARROW DISEASES) (LEUKEMIA MYELOCYTIC)

ALEKSANDROWICZ, Julian; OSTERCZY, Zbigniew; SZMIGIEL, Zbigniew

A rare case of thrombocytopenic hemorrhagic diathesis. Pol. med. wewnet. 32 no.7:761-763 '62.

1. Z III Kliniki Chorob Wewnętrznych AM w Krakowie Kierownik:
prof. dr med. J. Aleksandrowicz.
(HEMORRHAGIC DIATHESIS) (CUSHING'S SYNDROME)
(ADRENAL CORTEX HORMONES) (VITAMIN B12) (ACETOPHENETIDIN)

SZMIGIEL, Zbigniew; POCHOPIEN, Anna

The level of anti-Rh incomplete antibodies and the electrophoretic picture of blood proteins in immunised subjects. Pol. med. wewnet. 32 no.7:797-801 '62.

1. Z III Kliniki Chorob Wewnetrznych AM w Krakowie Kierownik: prof. dr med. J. Aleksandrowicz.

(RH FACTORS) (BLOOD PROTEIN ELECTROPHORESIS)
(BLOOD GROUP INCOMPATIBILITY)

SZMIGIEL, Zbigniew; KWIATKOWSKI, W.

Behavior of serum complement in some blood diseases. Pol. tyg.
lek. 19 no.27:1020-1022 6 Je'64

1. Z III Kliniki Chorob Wewnętrznych Akademii Medycznej w
Krakowie (kierownik: prof. dr. J. Aleksandrowicz) i II
Kliniki Chorob Wewnętrznych Akademii Medycznej w Krakowie
(kierownik: doc. dr. S. Kirchmayer).

MIKLASZEWSKA, Jadwiga, doc. dr.; DOLEZAL, Marian; SZMIGIEL, Zbigniew;
ORZECZOWSKA, Krystyna

Hemagglutination reaction in the detection of leukocyte antibodies. Pol. tyg. lek. 20 no.9:301-303 1 Mr'65.

1. Ze Szpitala im. St. Zeromskiego; Oddzial Wewnetrzny Nowa
huta w Krakowie (kierownik: doc. dr. J. Miklaszewska); z
Kliniki Chorob Zakaznych Akademii Medycznej w Krakowie (kie-
rownik: prof. dr. Wl. Fejkiel) i z III Kliniki Chorob Wew-
netrznych Akademii Medycznej w Krakowie (kierownik: prof. dr.
J. Aleksandrowicz).

ALEKSANDROWICZ, J.; KUBATKO, E.; SZMIGIEL, Z.

Nitrogranulogen in the treatment of cases of optic nerve diseases. Pol. tyg. lek. 20 no.40:1507-1508 4 0 '65.

1. Z Oddziału Okulistycznego Szpitala Miejskiego im.
S. Zeromskiego w Nowej Hucie (Ordynator: dr. med. E. Kubatko)
i III Kliniki Chorob Wewnętrznych AM w Krakowie (Kierownik:
prof. dr. J. Aleksandrowicz).

FALKOWSKA, Zofia; SZMIGIELSKI, Michal; ZIELINSKA, Stefania

Electro-oculography and electro-nystagmography. Observations on the method and clinical use. Klin.oczna 31 no.4:373-380 '61.

1. Z Kliniki Okulistycznej AM w Warszawie Kierownik: prof. dr med. S. Altenberger Z Kliniki Neurologicznej AM w Warszawie Kierownik: prof. dr med. I. Hausmanowa.

(EYE) (NYSTAGMUS)

SZMIGIELSKI, Michal

Single-eye nystagnus problem. Klin. oczna 32 no.3:263-270 '62.

1. Z Kliniki Chorob Oczu AM w Warszawie Kierownik: prof. dr med.
S. Altenberger.

(NYSTAGMUS)

FALKOWSKA, Zofia; SZMIGIELSKI, Michał

On the problem of the electro-oculographic analysis and prismatic correction in congenital nystagmus. Klin. oczna 32 no.4:327-330 '62.

1. Z Kliniki Chorob Oczu AM w Warszawie, Kierownik: prof. dr med. S. Altenberger.

(NYSTAGMUS)

ALKOWSKA, Zofia; SZMIGIELSKI, Michal

Effect of illumination on the normal electroretinogram. Klin.
oczn. 33 no.3/4:401-408 '63.

1. Z Centralnego Ośrodka Badawczego Kolejowej Służby Zdrowia
Dyrektor: dr med. E. Biskup Z Kliniki Chorob Oczu AM w Warszawie
Kierownik: prof. dr med. S. Altenberger.
(ELECTRORETINOGRAPHY) (LIGHT)

SZMIGIELSKI, Michal; SZULKIN, Emma; NAPIORKOWSKA, Wanda

Ocular disturbances after chloroquine. Pol. tyg. lek. 19
no.43:1646-1647 26 0 '64

1. Z Kliniki Chorob Oczu Akademii Medycznej w Warszawie
(Kierownik: prof. dr. St. Altenberger [deceased]) i z
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18 no.4:613-635 J1-Ag '64

1. Z Kliniki Hematologicznej Instytutu Hematologii w Warszawie
(Kierownik: prof. dr. W. Lewkowicz).

SZMIGIELSKI, Stanisław; LITWIN, Joanna; ZUPANSKA, Barbara; KROLIKOWSKA,
Irena

Histochemical studies on bone marrow and blood cells. Postępy
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(Kierownik: prof. dr. W. Ławkowicz).

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SZMIGIELSKI, Stanislaw; KORBECKI, Michal; JELJASZEWICZ, Janusz

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Some biochemical aspects of neoplastic diseases in the light of the theory of "enzyme dropping". Wiad. lek. 18 no. 21:1653-1661 1 N ' 65.

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SZMILEWSKI, J.

A new method for preparing dry mica condensers for the use in high voltage impulse systems. Przem inst telekom prace 11 no.35: 31-32. '61.

L 46857-66 IJP(c) JAJ

ACC NR: AP6034674

SOURCE CODE: HU/0005/66/000/005/0219/0224

AUTHOR: Holderith, Jozsef--Kholderit, Y.; Szmirnov, Nyikolai Ivanovits--Smirnov, N. I.

ORG: [Holderith] Department of Chemical Technology, Eotvos Lorand University, Budapest (Eotvos Lorand Tudomanyegyetem, Kemiai Technologiai Tanszek); [Szmirnov] Leningrad Technological College, Leningrad

TITLE: Modelling of chemical reactors I

SOURCE: Magyar kemiai folyoirat, no. 5, 1966, 219-224

TOPIC TAGS: chemical reactor, transport theory, differential equation system

ABSTRACT: [Authors' Hungarian summary] Following a brief discussion of the fundamental principles of the transport theory, the applicability of the theory of similitude in the physical modelling of reactors for the chemical industry is examined. The system of similitude invariants is derived from the differential equation-system set up with averaged (that is: measurable) quantities which describe the transport processes occurring in turbulent flows. It is demonstrated that, in the case of a quasi-homogeneous model, in systems which involve boiling, complete similitude can not be achieved and the presence of a partial (approximating) similitude can, at best, be determined afterwards (that is: following the physical realization of the systems). Orig. art. has: 14 formulas. [JPRS: 36,862]

SUB CODE: 07, 12 / SUBM DATE: 09Sep65 / ORIG REF: 007 / SOV REF: 008

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SZMIT, A.

SZMIT, A. Cost analysis of a prefabricated factory hall as compared with a factory hall built by orthodox methods. p. 21. Vol. 5, no. 9, Sept. 1956. BUDOWNICTWO PRZEMYSŁOWE, Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

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"Monolithic reinforced-concrete constructions built without using wooden forms."

p. 16 (Budownictwo Przemyslowe) Vol. 6, no. 10, Oct. 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
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SZMIT, Andrzej, inż.

Pumice concrete and aggregates. Inst tech budow biul inf
no.11:12-15 '62.

1. Zaklad Technologii Zuzla, Instytut Techniki Budowlanej,
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Cellular concrete from crushed blast furnace slag in
experimental buildings in mining regions. Przegl budowl
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Korczewski O., Szmit J. An Analysis of the Influence of Preliminary Milling on the Output of the Saw Frame.

Analiza wpływu cząstkowego przefarcia na wydajność trawki. Sprawozdanie No 3 1971, 44 112-118, 2 fig.

In analysing job methods in mechanized logging it has been found that the key operational position from a production point of view is the saw frame. An analysis was made of the influence of the operations carried out by the saw frame on the output of the saw frame. A correlation between output and feed speed is observed. It was found that the time of preliminary milling of logs is not found that the influence of the saw frame on the output of the saw frame before commencing operations in the saw frame is not found. The following conclusions are drawn from the study: the absolute efficiency of the saw frame is not found. The absolute efficiency is

... of higher feed speeds leads to a decrease in the output of the saw frame. The following conclusions are drawn from the study: the absolute efficiency of the saw frame is not found. The absolute efficiency is

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„Badania nad wydajnością materiałową drewna bukowego”. Sylwan.
No. 5, 1984, pp. 408—418, 9 tabs.

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A description of experimental sawing of a consignment of beech raw material — first quality 7.1%, second quality 30.1%, third quality 62.8% — to obtain data, which can be compared with practical data, concerning qualitative and quantitative output. At a quantitative output of 76%, 15.3% of the total sawn lumber could be used for furniture laths. The output of laths in relation to the raw material was 38%. The experiment shows that lower quantity raw material could also be utilized for furniture laths, subject to proper sorting.

GONET, Boleslaw; KRZYSIK, Franciszek; SZMIT, Jerzy

Preliminary studies on the influence of steaming upon the subsequent drying and impregnation of beech railway crossties. Sylwan 104 no.2:1-16 F '60.

GONET, Boleslaw; KRZYSIK, Franciszek; SZMIT, Jerzy

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of seasoning and impregnability of beech railway crossties.
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1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									
PROCESSES AND PROPERTIES INDEX																			
SA										B 66.7									
<p>621.396.63</p> <p>2014. Automatic alarm selector. S. SRAWINSKI AND J. SZCZOT. <i>Przegl. Telekomun.</i>, No. 8-9, 250-4 (Aug.-Sept., 1950) <i>In Polish.</i> On reception of specified signal trains a receiver (e.g. ship radio) gives alarm even if unattended. Cir- cuit is based on multivibrator timing and coincidence. A. SZCZANIECKI</p>																			
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p> <p>STEEL DIVISION</p> <p>STEEL DIVISION</p> <p>STEEL DIVISION</p>																			

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Construction and Design.

„Transformatory. Budowa i projektowanie”. Warszawa, 1956, PWT,
16°, 423 pp., figs., tabs.

Construction of oil power transformers and principles of design.
The sections concerned with over-voltages and heating of transfor-
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P. 31, (Przeglad Elektrotechniczny. Vol. 32, no. 1, Jan. 1956, Warszawa, Poland)

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UNIT, J.

Cold-rolled iron sheets in building transformers. p. 65.

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SO: Monthly List of East European Accessions (EEL) LC. Vol. 6, No. 10, October 1957. Uncl.

SZMIT, Jerzy, mgr inż.; SZMIT, Julian, mgr inż.

Modern electric motors for the mining industry. Wiad elektrotechn 18
no.2:33-35 F '58.

1. Centralne Biuro Konstrukcyjne Maszyn Elektrycznych, Katowice

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Modern electric motors for the mining industry. Wiad elektrotechn 18
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Poland/Chemical Technology -- Chemical Products and Their Application. Silicates.
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1724

Author: Szmit, Z.

Institution: None

Title: Concrete Prepared by the Addition of Sulfite Liquor

Original

Periodical: Mater. budowl., 1956, Vol 11, No 6, 188-189; Polish

Abstract: The addition of sulfite-cellulose liquor to concrete increases its plasticity and improves the adhesion to the reinforcing steel. The hydrophilic properties of the concrete are inhibited, its setting and hardening are slowed down, shrinkage is reduced, water resistance is improved and the bulk density is decreased. Recommendations are made on the method of using sulfite liquor in concrete production.

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52. Dimensions of vaulted slabs mounted between arcs,
by K. Szendrői (L'Épave Epitéze) Building
Architecture -- Vol. II, No. 4, pp. 250-252, April, 1970)

This method of calculation is expected to supersede
the old Lashrom theory of regarding slabs as continuous
plates. Calculations made on the basis of the old theory
resulted in dimensions that proved too large from an
economic point of view. The new theory leads to consid-
erable savings of material by presenting the vaulted slabs
at fixed

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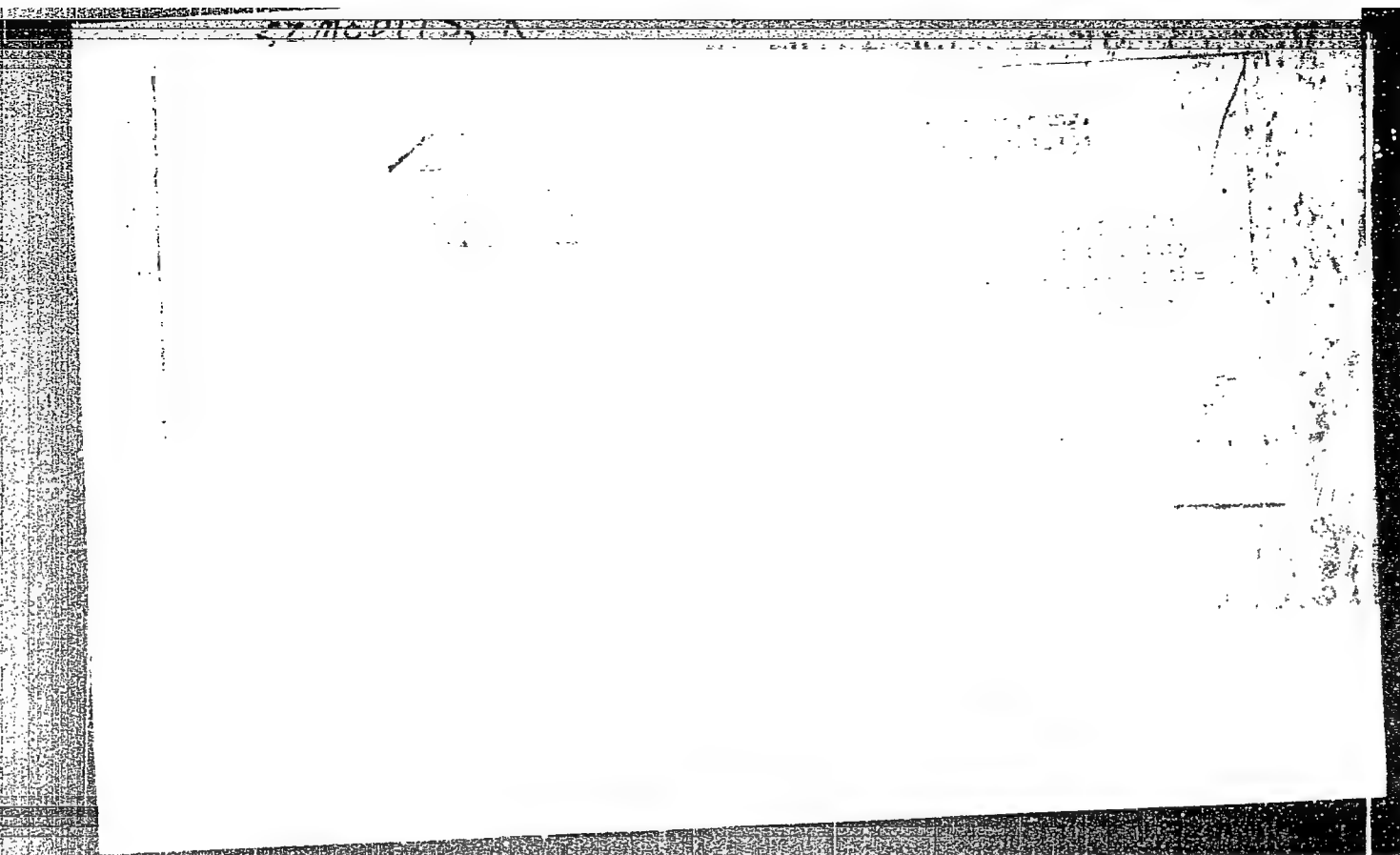
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744200

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AUTHOR: Szmodits, K.

TITLE: Determination of limits in solutions of plate problems

PERIODICAL: Referativnyy zhurnal, Matematika, no. 8, 1962, 65-66,
abstract 8B296. ("Acta techn. Acad. scient. hung.", 1960,
29, no. 3-4, 245-290)

TEXT: A development of the idea of Sidge (RZhMat, 1958, 1619 K) on
the estimation of the solutions of elliptic equations from above and below.
For the problem

$$\Delta \Delta u = p(x, y); u|_B = f, \quad \frac{\partial u}{\partial n}|_B = g,$$

where B is the boundary of the plane domain \mathcal{D} , the integral

$$\int_{\mathcal{D}} \left[\left(\frac{\partial^2 u}{\partial x^2} \right)^2 + 4 \left(\frac{\partial^2 u}{\partial x \partial y} \right)^2 + \left(\frac{\partial^2 u}{\partial y^2} \right)^2 \right] d\mathcal{D}$$

Card 1/2

Determination of limits ...

S/044/62/000/008/029/073
C111/C222

is estimated. A numerical example is given.

[Abstractor's notes: Complete translation.]

Card 2/2

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L 31344-66 EWT(d)/EWP(w)/EWP(v)/EWP(k) IJP(c) WW/EM
ACC NR: AT6021155

SOURCE CODE: HU/2504/65/050/000/0371/0376

AUTHOR: Szemodits, K.--Szodich, K. (Doctor of technical sciences)

ORG: Scientific Institute for Building, Budapest

TITLE: Numerical investigation of membrane shells with rectangular plan

SOURCE: Academia scientiarum hungaricae. Acta technica, v. 50, 1965, 371-376

TOPIC TAGS: shell structure, shell theory

ABSTRACT: The numerical investigation of membranes with rectangular plan includes the determination of the grid values for a grid function that satisfies a non-homogeneous potential equation. This paper presents a reciprocity theorem and shows that with its aid and with the known relations between the ordinates of the grid function the solution for any inner point can be determined from the solution corresponding to a loaded point near the boundary. The application of the method was illustrated by a numerical example. Orig. art. has: 6 figures and 5 formulas. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 20 / SUBM DATE: 18Jul64

Card 1/1

ACC NR: AT6033132

SOURCE CODE: HU/2504/66/053/03-/0379/0387

AUTHOR: Szmodits, K.--Smodich, K. (Doctor of technical sciences)

27
B-1

ORG: Building Research Institute, Budapest

TITLE: Numerical study of a plate clamped on two opposite sides and freely supported on the two other sides

SOURCE: Academia scientiarum hungaricae. Acta technica, v. 53, no. 3-4, 1966, 379-387

TOPIC TAGS: thin plate, iteration

ABSTRACT: The method described is based on the generalization of the Coursat theorem to lattice functions. By applying this theorem and summarizing two known solutions, the solution for a plate rigidly fixed on two sides and freely supported on the two other sides can be derived. The conditions of constraint for the sides opposite to the fixed ones can be satisfied by a rapidly converging iteration of the summation of known solutions. Orig. art. has: 2 figures, 1 formula and 8 tables. [Based on author's Eng. abst.] [JPRS: 36,645]

SUB CODE: 13, 12 / SUBM DATE: 05Aug64 / ORIG REF: 001 / OTH REF: 001

Card 1/1

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0920 0686

SZMODITS, Zoltan

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Early results of pulmonary resection in the treatment of
tuberculous patients secreting mycobacteria resistant to 3 or
or more drugs. Gruzlica 33 no.6:477-485 Je '65.

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Lekarzy w Zakopanem (Kierownik: prof. dr. W. Rzepecki).

SZMEJA, Zygmunt; SOWINSKI, Henryk

On Abrikosov's tumors (myoblastoma). Otolaryng. Pol. 19 no.2:
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Local administration of cortison preparations in the treatment of paralysis of the facial nerve of Bell's type. Otolaryng. Pol. 19 no.2:187-190 '65.

1. Z Kliniki Otolaryngologicznej Akademii Medycznej w Poznaniu (Kierownik: prof. dr. A. Zakrzewski).

HUBER, Zdzislaw; PRUSZEWICZ, Antoni; SZMEJA, Zygmunt; BIALEK, Edmund

Studies on smell, taste, hearing, balance, vision and surface sensation after anterior temporal lobectomy. Neurol. neurochir. psychiat. Pol. 15 no.3:475-480 My-Je '65.

1. Z Kliniki Neurochirurgii AM w Poznaniu (Kierownik: doc. dr. med. H. Powiertowski) i z Kliniki Otolaryngologicznej AM w Poznaniu (Kierownik: prof. dr. med. A. Zakrzewski).

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Yeast selection for the production of Grodzisk beer. Acta
microbiol. Pol 13 no.3:255-266 '64.

1. From the Grodzisk Brewery Laboratory, Grodzisk Wlkp.